

Flow Meter

Below, an engineer is conducting a quality control test of a Hedland Stainless Steel In-line Flow Meter, manufactured by Hedland, Division of Racine Federated Inc., Racine, Wisconsin.

The 1 $\frac{1}{4}$ -inch series of flow meters monitor in-line hydraulic fluids or other liquids under continuous operating pressures up to 5,000 pounds per square inch with a 3:1 safety factor at temperatures from 35 to 250 degrees Fahrenheit. This type of meter is a commercial adaptation of a 1 $\frac{1}{4}$ -inch series originally designed to monitor the hydraulic systems of a liquid fuel rocket engine test stand at Marshall Space Flight Center.

Hedland manufactures a complete line of flow meters used in industrial operations to monitor the flow of oil, water or other liquids, air and other compressed gases, including caustics or corrosive liquids/gases. The company produces more than 1,000 types of flow meters featuring rugged construction, simplicity of installation and the ability to operate in any position. A sampling of the product line is shown at right; the different housing colors indicate the use for the particular meter, the type of liquid or gas it is intended to monitor.

